

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 6

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The Application of Choe et al.

Serial No.: 09/928,774

Art Unit: 1645

Filed: March 26, 2001

Examiner: Unassigned

Title: *Dwf7* MUTANTS

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1						

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES	NO
	AB-1							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
<i>B</i>	AC-1	Altmann, T., "A Tale of Dwarfs and Drugs: Brassinosteroids to the Rescue," <i>Trends Genet.</i> <u>14</u> :490-495 (1998)
<i>I</i>	AD-1	Azpiroz, R., Wu, Y., LoCascio, J.C. and Feldmann, K.A., "An Arabidopsis Bassinosteroid-Dependent mutant is Blocked in Cell Elongation," <i>Plant Cell</i> <u>10</u> :219-230 (1998)
<i>I</i>	AE-1	Bach, T.J. and Benveniste, P., "Cloning of cDNAs or Genes Encoding Enzymes of Sterol Biosynthesis From Plants and Other Eukaryotes: Heterologous Expression and Complementation Analysis of Mutations for Functional Characterization," <i>Prog. Lipid Res.</i> <u>36</u> :197-226 (1997)

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Exam. Init.	Ref. Desig.	Description
	AF-1	Bishop, G., Harrison, K. and Jones, J.D.G., "The Tomato Dwarf Gene Isolated by Heterologous Transposon Tagging Encodes the First Member of a New Cytochrome P450 Family," <i>Plant Cell</i> <u>8</u> :959-969 (1996)
	AG-1	Bishop, G.J., Nomura, T., Yokota, T., Harrison, K., Noguchi, T., Fujioka, S., Takatsuto, S., Jones, J.D. and Kamiya, Y., "The Tomato DWARF Enzyme Catalyses C-6 Oxidation in Brassinosteroid Biosynthesis," <i>Proc. Natl. Acad. Sci. USA</i> <u>96</u> :1761-1766 (1999)
	AH-1	Choe, S., Dilkes, B.P., Fujioka, S., Takatsuto, S., Sakurai, A. and Feldmann, K.A. "The DWF4 Gene of Arabidopsis Encodes a Cytochrome P450 That Mediates Multiple 22 α -Hydroxylation Steps in Brassinosteroid Biosynthesis," <i>Plant Cell</i> <u>10</u> :231-243 (1998)
	AI-1	Choe, S., Dilkes, B.P., Gregory, B.D., Ross, A.S., Yuan, H., Noguchi, T., Fujioka, S., Takatsuto, S., Tanaka, A., Yoshida, S., Tax, F.E. and Feldmann, K.A., "The Arabidopsis Dwarf1 Mutant is Defective in the Conversion of 24-methylencholesterol to Campesterol in Brassinosteroid Biosynthesis," <i>Plant Physiol.</i> <u>119</u> :897-907 (1999a)
	AJ-1	Choe, S., Noguchi, T., Fujioka, S., Takatsuto, S., Tissier, C.P., Gregory, B.D., Ross, A.S., Tanaka, A., Yoshida, S., Tax, F.E. and Feldmann, K.A., "The Arabidopsis Dwf7/ste1 Mutant is Defective in the Δ^7 Sterol C-5 Desaturation Step Leading to Brassinosteroid Biosynthesis," <i>Plant Cell</i> <u>11</u> :207-221 (1999b)
	AK-1	Choe et al., "Lesions in the Sterol Δ^7 Reductase Gene of Arabidopsis Cause Dwarfism due to a Block in Brassinosteroid Biosynthesis," <i>The Plant Journal</i> <u>21</u> (5):431-443 (2000)
	AL-1	Choe et al., "Overexpression of <i>DWARF-4</i> in the Brassinosteroid Biosynthetic Pathway Results in Increased Vegetative Growth and Seed Yield in <i>Arabidopsis</i> ," <i>The Plant Journal</i> <u>26</u> (6):573-582 (2001)

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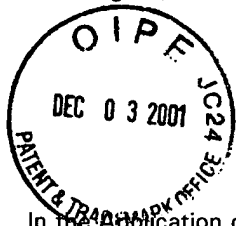
Exam. Init.	Ref. Desig.	Description
<i>B</i>	AM-1	Clouse, S.D. and Sasse, J.M., "Brassinosteroids: Essential Regulators of Plant Growth and Development," <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> <u>49</u> :427-451(1998)
<i> </i>	AN-1	Clouse, S.D., Langford, M. and McMorris, T.C., "A Brassinosteroid-insensitive Mutant in <i>Arabidopsis thaliana</i> Exhibits Multiple Defects in Growth and Development. <i>Plant Physiol.</i> <u>111</u> :671-678 (1996)
<i> </i>	AO-1	Clouse, S.D. and Feldmann, K.A., "Molecular Genetics of Brassinosteroid Action. In <i>Brassinosteroids: Steroidal Plant Hormones</i> ," (Sakurai, A. Yokota, T. and Clouse, S. D., eds). Tokyo, Japan: Springer, pp. 163-190 (1999)
<i> </i>	AP-1	Ephritikhine, G., Pagant, S., Fujioka, S., Takatsuto, S., Lapous, D., Caboche, M., Kendrick, R.E. and Barbier-Brygoo, H., "The Sax1 Mutation Defines a New Locus Involved in the Brassinosteroid Biosynthesis Pathway in <i>Arabidopsis Thaliana</i> ," <i>Plant J.</i> <u>18</u> (3):315-320 (1999)
<i> </i>	AQ-1	Feldmann, K.A., Marks, M.D., Christianson, M.L. and Quatrano, R.S., "A dwarf Mutant of <i>Arabidopsis</i> Generated by T-DNA Insertion Mutagenesis," <i>Science</i> <u>243</u> :1351-1354 (1989)
<i> </i>	AR-1	Fitzky, B.U., Witsch-Baumgartner, M., Erdel, M., Lee, J.N., Paik, Y.K., Glossmann, H., Utermann, G. and Moebius, F.F., "Mutations in the Δ^7 -sterol Reductase Gene in Patients with the Smith-Lemli-Opitz Syndrome," <i>Proc. Natl. Acad. Sci. USA</i> , <u>95</u> : 8181-8186 (1998)
<i> </i>	AS-1	Fujioka, S., Li, J., Choi, Y.H., Seto, H., Takatsuto, S., Noguchi, T., Watanabe, T., Kuriyama, H., Yokota, T., Chory, J. and Sakurai, A., "The <i>Arabidopsis</i> Deetiolated2 Mutant is Blocked Early in Brassinosteroid Biosynthesis," <i>Plant Cell</i> <u>9</u> :1951-1962 (1997)

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<i>b</i>	AT-1	Gachotte, D., Meens, R. and Benveniste, P., "An Arabidopsis Mutant Deficient in Sterol Biosynthesis: Heterologous Complementation by ERG3 Encoding a Δ^7 -sterol-C-5-Desaturase From Yeast," <i>Plant J.</i> <u>8</u> :407-416 (1995)
	AU-1	Gachotte, D., Husselstein, T., Bard, M., Lacroute, F. and Benveniste, P., "Isolation and Characterization of an Arabidopsis Thaliana cDNA Encoding a Δ^7 -sterol-C-5-Desaturase by Functional Complementation of a Defective Yeast Mutant," <i>Plant J.</i> <u>9</u> :391-398 (1996)
	AV-1	Husselstein, T., Schaller, H., Gachotte, D., Benveniste, P., " Δ^7 -sterol-C5-Desaturase: Molecular Characterization and Functional Expression of Wild-type and Mutant Alleles," <i>Plant Mol. Biol.</i> <u>39</u> :891-906 (1999)
	AW-1	Klahre, U., Noguchi, T., Fujioka, S., Takatsuto, S., Yokota, T., Nomura, T., Yoshida, S. and Chua, N.H., "The Arabidopsis DIMINUTO/DWARF1 Gene Encodes a Protein Involved in Steroid Synthesis," <i>Plant Cell</i> <u>10</u> :1677-1690 (1998)
	AX-1	Lecain, E., Chenivresse, X., Spagnoli, R. and Pompon, D., "Cloning by Metabolic Interference in Yeast and Enzymatic Characterization of Arabidopsis Thaliana Sterol Δ^7 -Reductase," <i>J. Biol. Chem.</i> <u>271</u> (18):10866-10873 (1996)
	AY-1	Li, J., Nagpal, P., Vatart, V., McMorris, T.C. and Chory, J., "A Role for Brassinosteroids in Light-Dependent Development of Arabidopsis," <i>Science</i> <u>272</u> :398-401 (1996)
	AZ-1	Li, J., Biswas, M.G., Chao, A., Russel, D.W. and Chory, J., "Conservation of Function Between Mammalian and Plant Steroid 5-Reductases," <i>Proc. Natl. Acad. Sci. USA</i> <u>94</u> :3554-3559 (1997)

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	BA-1	McKelvie, A.D., "A List of Mutant Genes in Arabidopsis Thaliana (L.), <i>Heynh. Radiat. Bot.</i> <u>1</u> :233-241 (1962)
	BB-1	Moebius, F.F., Fitzky, B.U., Lee, J.N., Paik, Y.K. and Glossmann, H., "Molecular Cloning and Expression of the Human Δ^7 -Sterol Reductase," <i>Proc. Natl. Acad. Sci. USA</i> <u>95</u> : 1899-1902 (1998)
	BC-1	Noguchi, T., Fujioka, S., Takatsuto, S., Sakurai, A., Yoshida, S., Li J. and Chory, J., "Arabidopsis <i>det2</i> is Defective in the Conversion of (24R)-24-Methylcholest-4-en-3-One to (24R)-24-Methyl-5-Cholestan-3-One in Brassinosteroid Biosynthesis," <i>Plant Physiol.</i> <u>120</u> :833-839 (1999)
	BD-1	Noguchi, T., Fujioka, S., Choe, S., Takatsuto, S., Yoshida, S., Yuan, H., Feldmann, K.A. and Tax, F.E., "Brassinosteroid-Insensitive (<i>bri1</i>) Dwarf Mutants of Arabidopsis Accumulate Brassinosteroids," <i>Plant Physiol.</i> <u>121</u> :743-752 (1999)
	BE-1	Noguchi et al., "Biosynthetic Pathways of Barssinolide in Arabidopsis," <i>Plant Physiology</i> <u>124</u> :201-209 (2000)
	BF-1	Nomura, T., Kitasaka, Y., Takatsuto, S., Reid, J.B., Fukami, M. and Yokota, T. Brassinosteroid/Sterol Synthesis and Plant Growth as Affected by <i>lka</i> and <i>lkb</i> Mutations of Pea," <i>Plant Physiol.</i> <u>119</u> :1517-1526 (1999)
	BG-1	Szekeres, M., Nemeth, K., Koncz-Kalman, Z., Mathur, J., Kauschmann, A., Altmann, T., Redei, G.P., Nagy, F., Schell, J. and Koncz, C., "Brassinosteroids Rescue the Deficiency of CYP90, a Cytochrome P450 Controlling Cell Elongation and De-etiolation in Arabidopsis," <i>Cell</i> <u>85</u> : 171-182 (1996)
	BH-1	Takahashi, T., Gasch, A., Nishizawa N. and Chua, N.-H., "The DIMINUTO Gene of Arabidopsis is Involved in Regulating Cell Elongation," <i>Genes Dev.</i> <u>9</u> :97-107 (1995)

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<i>b</i>	BI-1	Taton, M. and Rahier, "A. Identification of 5,7-Sterol- Δ^7 -Reductase in Higher Plant Microsomes," <i>Biochem. Biophys. Res. Commun.</i> <u>181</u> (1):465-473 (1991)
	BJ-1	GenBank Accession No. U49398
	BK-1	GenBank Accession No. NM_001360 (S7R-Human, Human Sterol Δ^7 Reductases)
	BL-1	GenBank Accession No. AF057368 (S7R-Rat)
	BM-1	GenBank Accession No. JC4057 (S14R-Yeast, Yeast Sterol C-14 Reductase)
	BN-1	GenBank Accession No. NM_002296 (Human LBR)
	BO-1	GenBank Accession No. AB002466 (Rat LBR)
	BP-1	GenBank Accession No. P23913 (Chicken LBR)

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